Notice of Allowability	Application No.	Applicant(s)
	10/088,772	FLEUTE ET AL.
	Examiner	Art Unit
•		
·	Shefali D. Patel	2624
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to <u>RCE filed on 10/16/06</u> .		
2. The allowed claim(s) is/are <u>1 and 4-12</u> .		
3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some* c) None of the:		
1. Certified copies of the priority documents have been received.		
2. Certified copies of the priority documents have been received in Application No		
3. Copies of the certified copies of the priority documents have been received in this national stage application from the		
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached		
1)  hereto or 2) to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
<ol> <li>DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.</li> </ol>		
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Attachment(a)		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. Notice of Informal F	Patent Application
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary	· · · · · · · · · · · · · · · · · · ·
	Paper No./Mail Da	ate
3. Information Disclosure Statements (PTO/SB/08),	7. 🛛 Examiner's Amend	ment/Comment
Paper No./Mail Date  4.	8. X Examiner's Statem	ent of Reasons for Allowance
or biological material	9.  Other	
	<del></del>	

## **EXAMINER'S AMENDMENT**

1. The examiner noticed that there are repetitive claims in the application that were previously depended on claim 2. Claim 2 is presently cancelled. Hence, the examiner is canceling reoccurring claims 13, 15, 17 and 19.

The application has been amended as follows:

Please cancel claims 13, 15, 17 and 19.

## Allowable Subject Matter

- 2. Claims 1, 4-12 are allowed and re-numbered as 1-10.
- 3. The following is an examiner's statement of reasons for allowance:

The instant invention defines a method for restoring a three-dimensional image representing the surface contours of at least one object, based on at least one two-dimensional X-ray projection of this object. The prior art of record fails to teach determining the position of the shooting source in a reference referential system; selecting at leas tone statistical model defining an average shape of the object and its main deformations with respect to this average shape, the statistical model being calculated from an object population of a same type for which the statistical correspondence common to all objects is searched; and selecting an orientation and a position of the model in the reference referential system by submitting the statistical model, successively, to a rigid transformation modifying its position and/or its orientation, then selecting a deformation of the model to modify its contours in three dimensions, by submitting the statistical model to a non-rigid deformation modifying its surface contours, wherein the orientation and deformation selecting steps are performed iteratively until the contours of the model are such that the intervals between back-projection rays of the image contours in two dimensions from the source and the model surface are minimum, in order to obtain a correspondence between the model and

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the image. These elements in combination with all of the other elements of the claims are not taught or

fairly suggested in the prior art of record. The dependent claims are allowed for the same reasons.

Any comments considered necessary by applicant must be submitted no later than the payment of

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the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such

submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should

be directed to Shefali D. Patel whose telephone number is 571-272-7396. The examiner can normally be

reached on M-F 8:00am - 5:00pm (First Friday Off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Matthew Bella can be reached on (571) 272-7778. The fax phone number for the organization where this

application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application

Information Retrieval (PAIR) system. Status information for published applications may be obtained

from either Private PAIR or Public PAIR. Status information for unpublished applications is available

through Private PAIR only. For more information about the PAIR system, see http://pair-

direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer

Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR

CANADA) or 571-272-1000.

Shefali D Patel Examiner

Art Unit 2624

sdp

MATTHEW C. BELLA SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2600

Moute Bella